

**Environmental  
Resources  
Management**

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21 August 2013

Ms. Zizi Searles  
Remedial Project Manager  
Superfund Division (SFD-6-2)  
US EPA, Region IX  
75 Hawthorne Street  
San Francisco, CA 94105

Subject: Monthly Progress Report for July 2013  
OU3 RI/FS, Motorola 52<sup>nd</sup> Street Superfund Site

Dear Ms. Searles:

On behalf of Honeywell and Arizona Public Service Company, ERM-West, Inc. (ERM) is providing the United States Environmental Protection Agency with an update on the activities associated with implementing the Statement of Work included in the Administrative Order on Consent for Remedial Investigation and Feasibility Study at the Motorola 52<sup>nd</sup> Street Superfund Site, Operable Unit 3.

This progress report summarizes tasks and deliverables completed through 31 July 2013. Please feel free to contact me at (818) 970-7767, or via email at [tony.ward@erm.com](mailto:tony.ward@erm.com) if you have any questions or comments regarding the attached progress report.

Sincerely,

Anthony C. Ward, P.G.  
*OU3 Group Project Coordinator*

MFK/0096498.027

Enclosures: Monthly Progress Report  
Project Schedule

cc: Troy J. Kennedy, Honeywell  
Judy Heywood, Arizona Public Service Company  
Brian Stonebrink, Arizona Department of Environmental Quality  
Claudia Garcia, United States Army Corps of Engineers  
Sue Kraemer, CB&I

## **OU3 RI/FS Monthly Progress Report for July 2013**

### **Project Background:**

This progress report describes activities associated with implementing the Motorola 52<sup>nd</sup> Street Superfund Site Operable Unit 3 (OU3) Study Area Remedial Investigation (RI) and Feasibility Study (FS) Statement of Work (SOW). This SOW is being implemented under an Administrative Settlement Agreement and Order on Consent (AOC) with the United States Environmental Protection Agency (EPA), EPA Region IX Docket No. 2008-17. The SOW includes the installation of seven new groundwater wells and four soil vapor monitoring wells, plus groundwater and soil vapor monitoring, aquifer testing, and preparation of an RI Report and FS Report.

ERM-West, Inc. (ERM) submitted the draft Planning Documents (*Quality Assurance Project Plan*, *Field Sampling Plan*, and the *OU3 Phase III Groundwater RI/FS Work Plan*) to the EPA for initial review on 20 November 2009. The OU3 Working Group received EPA approval of the Planning Documents, including the *Draft Groundwater RI/FS Work Plan*, on 15 July 2010 via e-mail. ERM received the formal notification letter of approval from the EPA by certified mail on 22 July 2010. On 17 September 2010, ERM provided the EPA the 15-day notification to begin well installation as described in Section 4.2.3 of the *OU3 Phase III Groundwater RI/FS Work Plan*. Mobilization in the field for this work began on 4 October 2010 and was completed during the week of 20 December 2010. The SVMW Installation was conducted from 18 April through 29 April, 2011 in accordance with the 10 March 2011 EPA approved Technical Memorandum No. 2 and the *OU3 Phase III Groundwater Remedial Investigation/Feasibility Study Work Plan* referenced above. Aquifer testing activities were conducted in accordance with the 21 July 2011 EPA approved *Technical Memorandum No. 3-Aquifer Test Work Plan*.

As an addendum to the *Final OU3 Phase III Groundwater RI/FS Work Plan*, Technical Memorandum No. 4, dated October 2012, was prepared to evaluate the current monitoring well network and propose activities to address the identified data gaps, including installation of additional monitoring wells. To expand the available data concerning contaminant fate and transport, *Technical Memorandum No. 5- Sampling for Aquifer Geochemical and Microbial Parameters* was prepared and submitted in Draft to EPA in February 2013. Additionally, in response to a request from EPA at the January 2013 Technical Working Group meeting, *Technical Memorandum No. 6 -Plan for Sampling of OU3 Wells for Semi-Volatile Organic Compounds in March 2013* was submitted in February 2013 and approved by EPA.

**Summary of Work/Activities/Reports Required by the AOC/SOW this Reporting Period:**

- Submitted a request to the EPA to extend the submittal deadline for the March 2013 Semi-annual Groundwater Monitoring Report to 5 August 2013. The EPA approved the extension request via e-mail on 15 July 2013 (SOW Section 4.2).
- Notified EPA of the Technical Memorandum No. 5 field work on 15 July 2013 (SOW Section 5.1).
- Participated in a conference call with members of the OU3 Working Group and EPA on 17 July 2013 regarding the *DRAFT: Preliminary Summary of Records Review Activities Near Soil Vapor Monitoring Well SVMW-1* submitted to the EPA on 31 May 2013.
- Submitted the *Monthly Progress Report June 2013* on 22 July 2013 (SOW Section 5.3).
- Retrieved three of the four Bio-trap® samplers on 29 July 2013 that were installed on 28 May 2013. Collected geochemical and groundwater parameter data in accordance with Technical Memorandum No. 6 during the week of 29 July 2013. The Bio-trap® sampler deployed in monitoring well OU3-16M on 28 May 2013 detached from its eyelet and could not be retrieved on 29 July 2013; therefore, a replacement Bio-trap® was installed on 1 August 2013.
- Submitted the *Technical Memorandum No. 4 Draft New Groundwater Well Installation Report* to the EPA on 31 July 2013 (SOW Section 4.3).
- Attended the Community Information Group (CIG) meeting on 24 July 2013 and gave a brief update on the RI progress.
- Provided suggested edits on 22 July 2013 to the OU3 portion of the “2010 Approximate Extent (of) Constituents Map”, prepared by URS on behalf of ADEQ, and circulated at the 24 July 2013 CIG meeting by ADEQ.
- During a conference call held on 17 July 2013, inquired with the EPA on the timing of guidance for additional sampling parameters to be included in the September 2013 groundwater monitoring event and the status of EPA’s review of the September 2012 Semi-annual Groundwater Monitoring Report.

**Upcoming Scheduled and Anticipated Activities (next eight weeks):**

- Facilitate follow-up discussions with members of the OU3 Working Group and EPA regarding the *DRAFT: Preliminary Summary of Records Review Activities Near Soil Vapor Monitoring Well SVMW-1* submitted to the EPA on 31 May 2013.
- Provide a briefing for the new EPA OU3 Remedial Project Manager on scope and status of the OU3 RI/FS Work Plan, as amended.

- Submit the *Draft March 2013 Semi-annual Groundwater Report* to the EPA in August 2013 (SOW Section 4.4).
- Submit the Technical Memorandum No. 6 *Draft Semi-Volatile Organic Compound Groundwater Investigation Sampling Results Memorandum - March 2013* to the EPA in August 2013.
- Continue evaluation of potential vadose zone sources near soil vapor monitoring well SVMW-1, and consider additional future activities depending on discussion and if additional work is required by the EPA.
- Conduct the September 2013 semi-annual groundwater monitoring event scheduled to begin 9 September 2013. This event will also include the collection and laboratory analysis of additional analytes requested by the EPA (SOW Section 4.2) and the second quarterly sampling of the newly installed wells set forth in Technical Memorandum No. 4. Results from the Technical Memorandum No. 4 new wells second quarter groundwater sampling event will be incorporated with the September 2013 Semi-annual Monitoring Report.
- Retrieve the replacement Bio-trap® deployed in monitoring well OU3-16M in conjunction with the September 2013 semi-annual groundwater monitoring event.
- Provide data results from the geochemical and microbial sampling event associated with Technical Memorandum No. 5 field work.